

## **RACK PIVOT PIN INSTALL NODE 1**

### OBJECTIVE:

Install rack pivot pins onto pivot pin fittings.

### LOCATION:

Installed: NOD1D4

Stowed: NOD1D4\_D1

### DURATION:

20 minutes

### PARTS:

Pin, Rack Pivot-Midbay (P/N 1F89557-1)

Pin, Rack Pivot-Aft (P/N 1F89544-1)

### MATERIALS:

None

### TOOLS REQUIRED:

IFM Tool Kit:

4" Ratchet Wrench

3/16" Allen Head Driver

Adapter 1/4" to 3/8"

Long Screwdriver

6", 3/8" Hex Head, 3/8" Drive

### REFERENCED PROCEDURE(S):

None

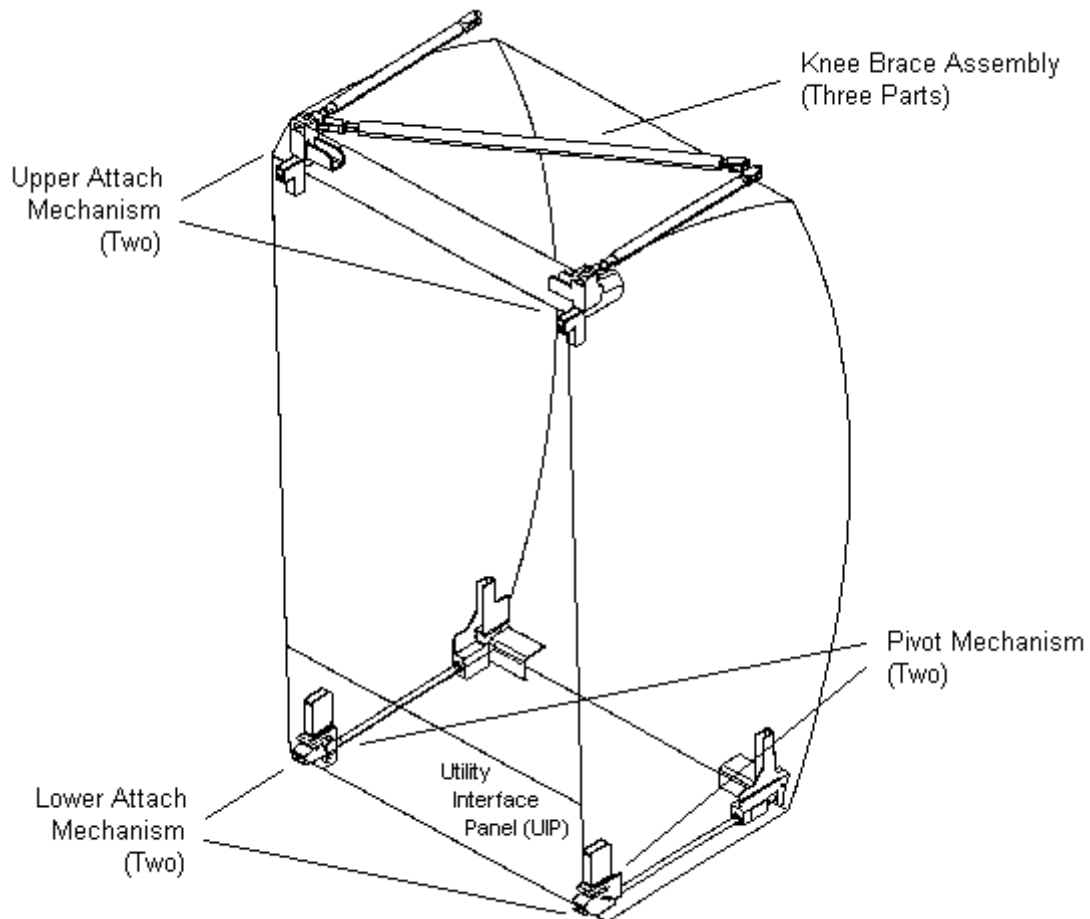


Figure 1.- Rack Attachment Mechanisms.

#### ACCESS

1. Remove Utility Interface Panel (UIP) Closeout from rack, 1/4 turn fastener (two).

#### DISENGAGE RACK LOWER ATTACH MECHANISMS

##### **CAUTION**

Disengagement sequence must be followed exactly to prevent equipment damage. This process allows any induced loads to be released safely back into structure.

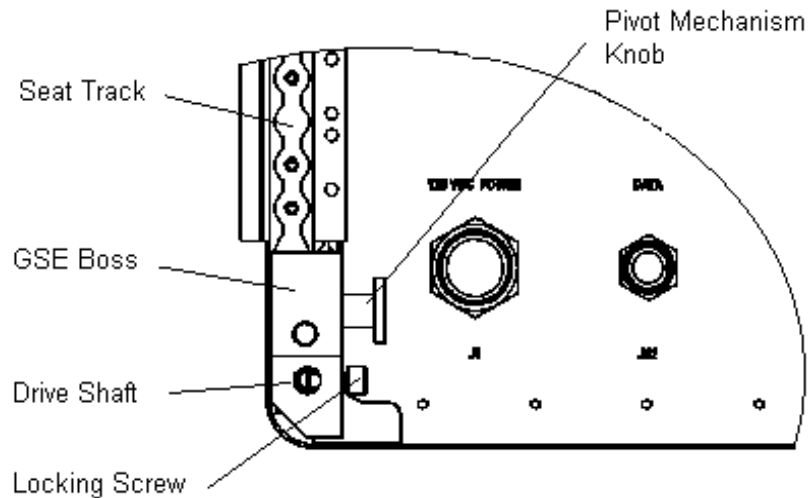


Figure 2.- Lower Attach Mechanism (left side).

**NOTE**

Lower Attach Mechanism Locking Screw is non-captive.

2. Loosen left Locking Screw (4" Ratchet Wrench, 3/8" Hex Head) 10 --- 12 | turns or until Drive Shaft hole is clear.  
See Figure 2.
3. Disengage left Drive Shaft (4" Ratchet Wrench, 3/8" Hex Head) until hard | stop.  
See Figure 2.
4. Tighten, snug left Locking Screw (4" Ratchet Wrench, 3/8" Hex Head). |  
See Figure 2.
5. Repeat steps 2 --- 4 for right Lower Attach Mechanism.

### INSTALL RACK PIVOT PINS

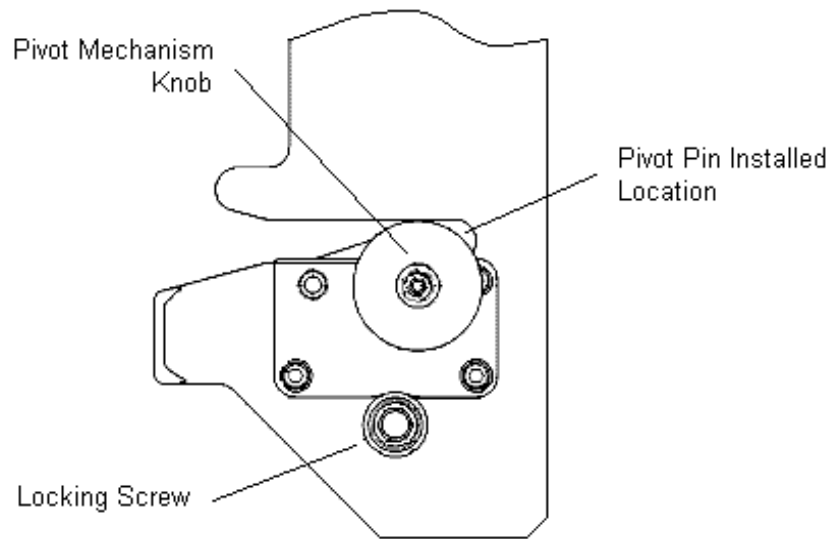


Figure 3.- Lower Attach Mechanism, Pivot Knob (inside, left).

6. Tighten, snug both Pivot Mechanism Knobs in unlatched, down position.  
See Figure 3.
7. Install endcone (aft) rack pivot pin onto fitting.  
Tighten snug by hand, then with tool (Long Screwdriver).  
See Figure 3.
8. Install midbay (forward) rack pivot pin onto fitting.  
Tighten snug by hand, then with tool (4" Ratchet Wrench, 3/8" Hex Head).  
See Figure 3.
9. Tighten, snug both Pivot Mechanism Knobs in latched, up position.  
See Figure 3.

### CLOSEOUT

10. Attach Utility Interface Panel Closeout, 1/4 fastener (two).

### POST MAINTENANCE

11. Stow tools.